

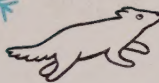


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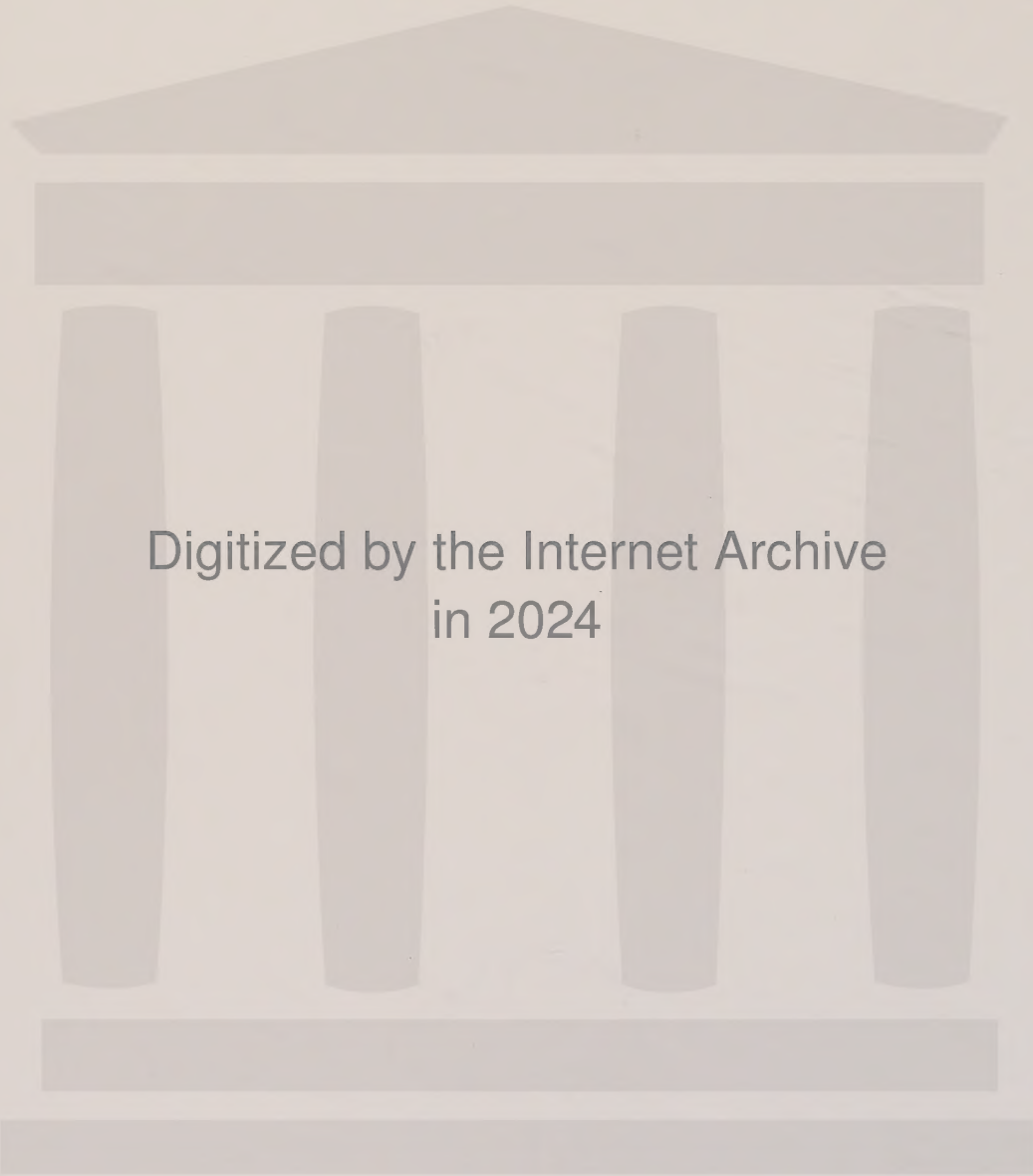
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THE Really Cool Activity BOOK



Foreword by
Claudia winkleman





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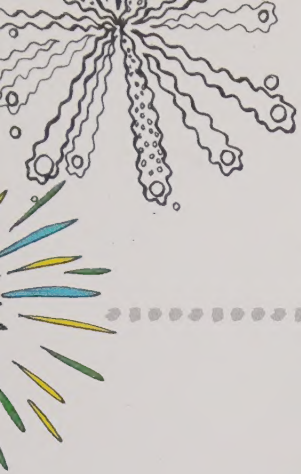
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THE Really Cool Activity BOOK

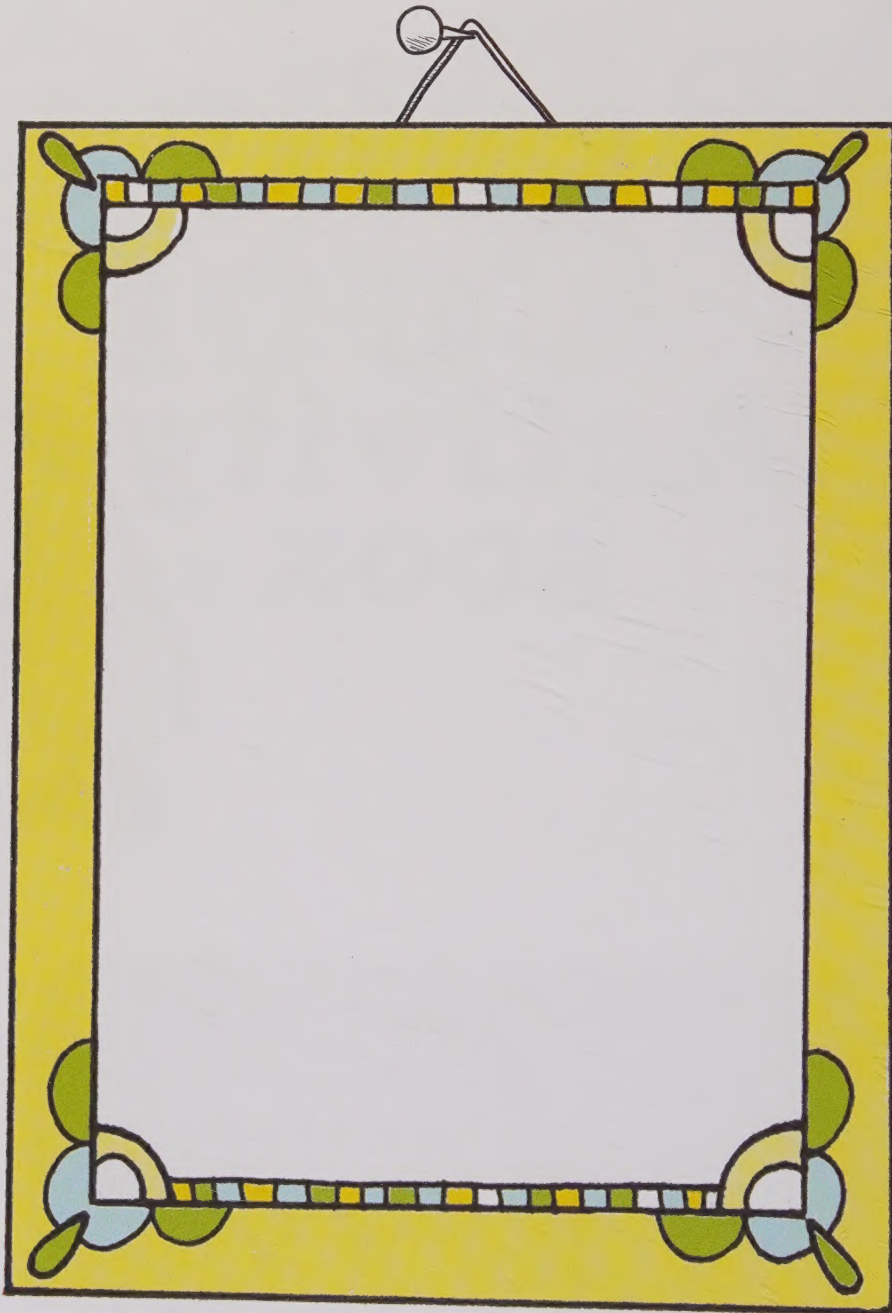


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This book belongs to

Enza Lina Quafisi



Here is a picture of me!



Foreword



As you're probably well aware, Great Ormond Street Hospital is a world-class institution dedicated to the care and support of seriously ill children from around the UK and overseas.

What you may not realise however, is that Great Ormond Street Hospital Children's Charity needs to raise at least £50 million every year to support the vital work of the hospital.

That's where you come in.

The Really Cool Activity Book is an amazing activity book that makes learning fun by combining fascinating facts with stickers, doodles, colouring, and games. Donations from books like this will help to rebuild and refurbish Great Ormond Street Hospital, fund research into new treatments for childhood illness, buy vital equipment, and provide essential support to the hospital's patients and their families.



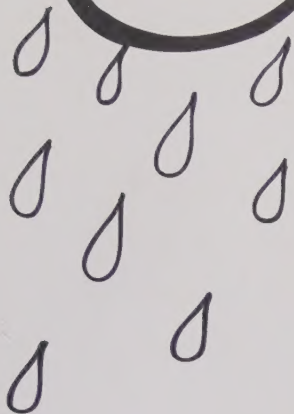
On behalf of everybody at Great Ormond Street Hospital Children's Charity, **thank you.** Your donations really do make a difference. We hope you enjoy your book.

Claudia Winkleman



Spring ahoy

You are on the side of the Earth that is tilting towards the Sun. Birds nest, grass grows, and the **first flowers** start to **bloom**!



Summer time

Now you are tilted as far **towards** the **Sun** as you'll be all year. All the trees are green and glossy, chicks **fly the nest**, and there are bugs galore.



FINISH DRAWING THE DIFFERENT SEASONS...



What **season** it is depends on one thing – if you are **tilted towards** or **away** from the Sun. As the Earth **spins** around on its tilted axis on its **yearly orbit** of the Sun, some regions of Earth tilt **towards** the hot Sun while others tilt **away**.

Autumn fall

The side of the Earth you are on is tilting **away** from the **Sun**. Leaves on trees turn red, orange, and brown, and it gets **dark earlier**.



Winter chill

You are now **tilted** away from the **Sun** so there's **less sunlight**. It is getting colder, so animals and insects **hibernate**.



Around the middle of the Earth is an **imaginary line** called the **equator**, which stays roughly the same distance from the Sun all year round. So **countries** along the **equator** don't have four seasons – just a **dry season** and a **wet season**.

Cave maze

Beneath the Earth are millions of twisting, turning caves, some of which are hundreds of miles long. These are being explored by scientists and people looking for adventure.

START

See
p.32

TRUE OR FALSE?
SPELUNKER IS
ANOTHER WORD FOR
A CAVE EXPLORER.

Watery caves

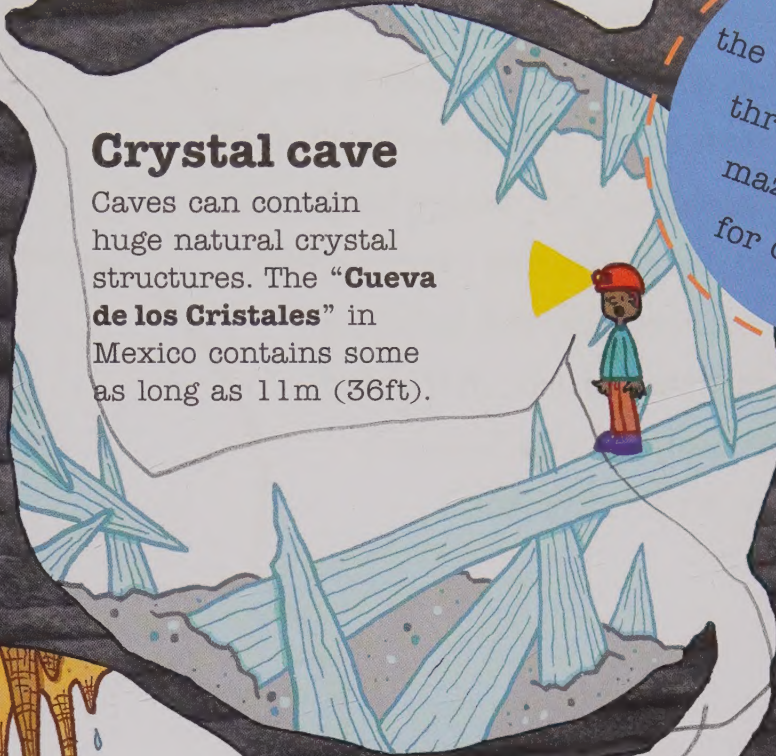
Some cave systems contain underground lakes and rivers. Some species of animal found in these caves can't be found anywhere else.

DRAW

the explorers a route
through the cave
maze. Look out
for dead ends!

Crystal cave

Caves can contain huge natural crystal structures. The “**Cueva de los Cristales**” in Mexico contains some as long as 11m (36ft).

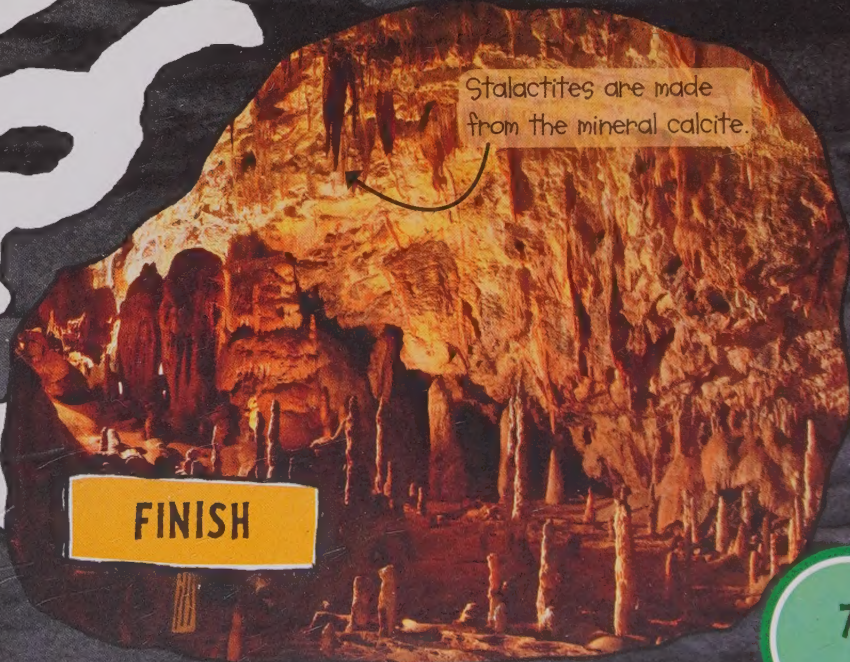


Spiky rocks

The rock formations that can hang from the roofs of caves are called **stalactites**. If they grow up from the floor they're called **stalagmites**.



Stalactites are made from the mineral calcite.



FINISH

It's just a dream!

When you **sleep** you have dreams. But what are dreams? This question has been asked for a very long time and no one knows for sure, even though there are lots of different theories. Dreams **conjure up** images, people, and events that can be exciting, scary, and sometimes really dull. Bad dreams are known as **nightmares** and can frighten you so you suddenly wake up. But don't worry – it's just a dream.

Some people only dream in **black and white**!



You only dream about **things**
you know. So the strangers
in your dreams are people
you've seen in real life.

DRAW ONE OF YOUR OWN DREAMS.

Build the penguins

Emperors are the only penguin species that breeds during winter at the South Pole, where temperatures drop as low as -62°C (-80°F).

WHAT TO DO

This puzzle shows adult Emperor Penguins with two young chicks. Use the stickers from the back of the book to piece together these amazing Antarctic birds.

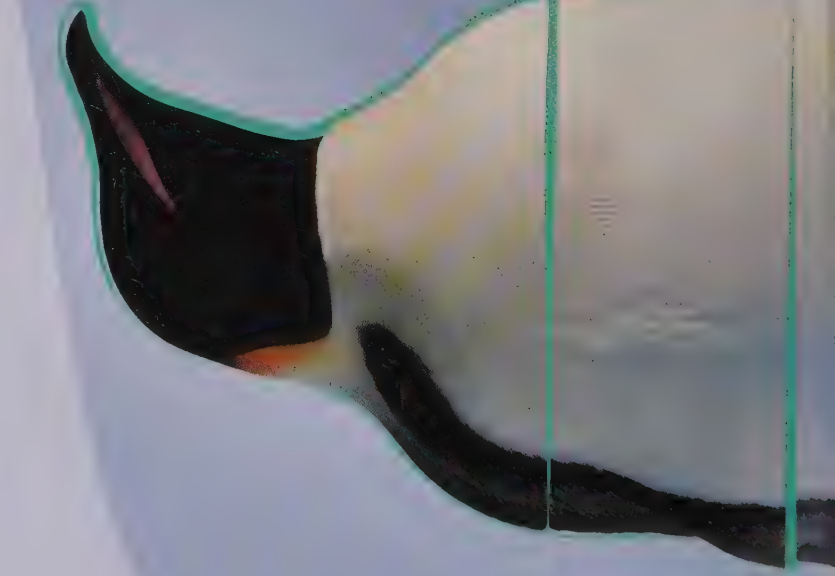


Emperors are the largest penguin species, growing up to 1.1 m ($3\frac{1}{2}$ ft) tall.

The feathers are stiff and tightly packed to provide warmth and keep the penguin streamlined underwater.

Fat is stored in the bodies over the summer, and is used up during winter when there is no food.

Penguins are not able to fly, but use their wings as flippers when swimming.





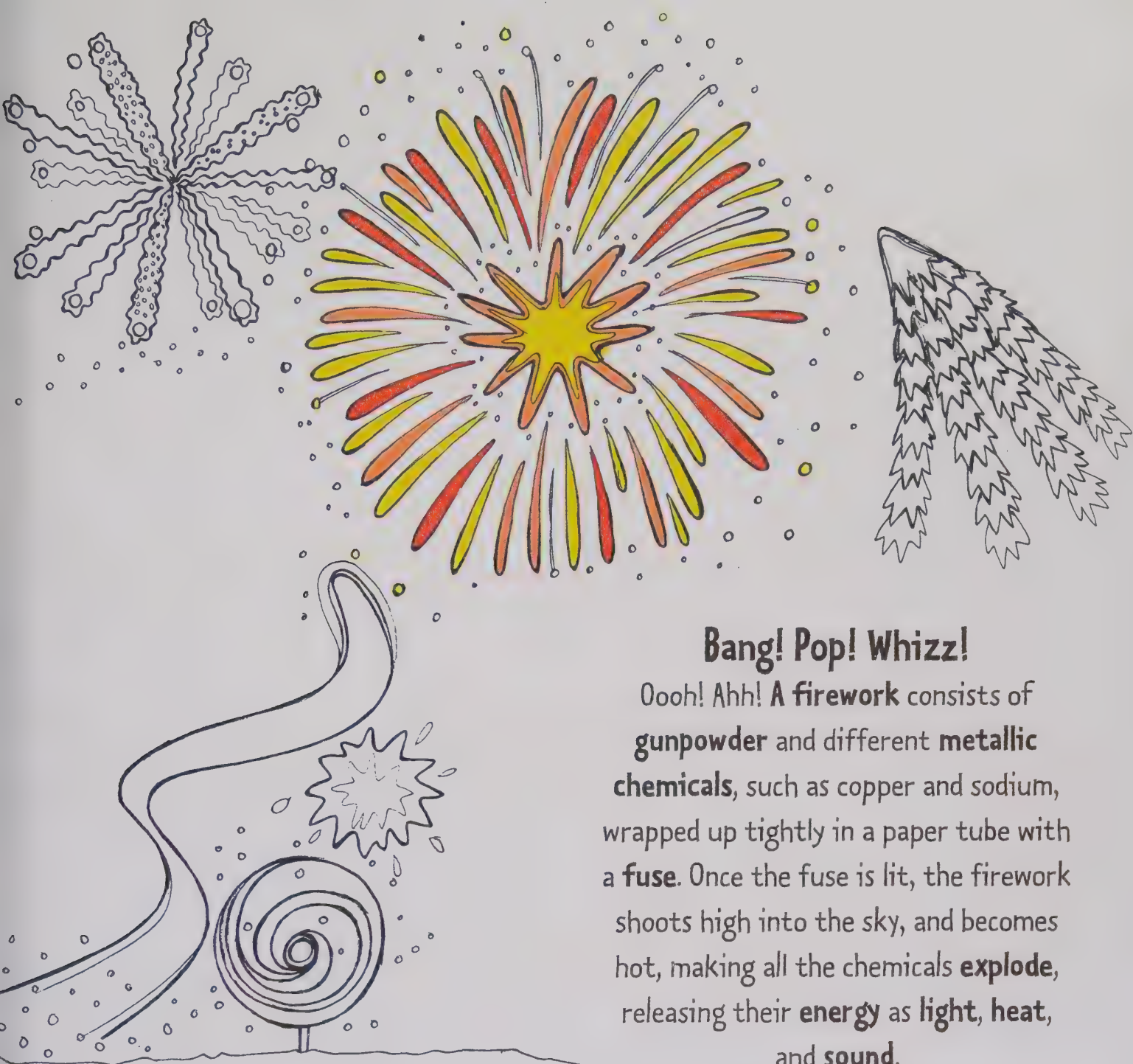
Each pair of
adults has
only one chick.

Male Emperors keep unhatched eggs on their feet to protect them from the ice below.



The bright colours produced by a firework are created by the metallic chemicals inside them. **Copper** makes **blue** and **sodium** makes **yellow**.





Bang! Pop! Whizz!

Oooh! Aah! A **firework** consists of **gunpowder** and different **metallic chemicals**, such as copper and sodium, wrapped up tightly in a paper tube with a **fuse**. Once the fuse is lit, the firework shoots high into the sky, and becomes hot, making all the chemicals **explode**, releasing their **energy** as **light**, **heat**, and **sound**.

DRAW AND COLOUR YOUR OWN SPECTACULAR FIREWORKS DISPLAY.

Husky race

FIND

which team wins
and which teams
end up in the
dog house.

In sled dog racing, teams of dogs pull sleds through snow and ice. The Lead dogs are at the front. One or two Swing dogs help the team around curves. The rest are Team dogs. Mush! Mush!



Facts about...

Husky dogs

Huskies have very thick coats and they are strong and agile, making them good sled dogs. Huskies pulled the sleds of polar explorers!

See
p.32

TRUE OR FALSE?

IN RACES, SLED DOGS
WEAR SHOES TO
PROTECT THEIR FEET
AGAINST SHARP ICE.

Facts about...

The lingo

There are special words that are used in dog sledding.

Mush! Go!

Gee! Turn right!

Haw! Turn left!

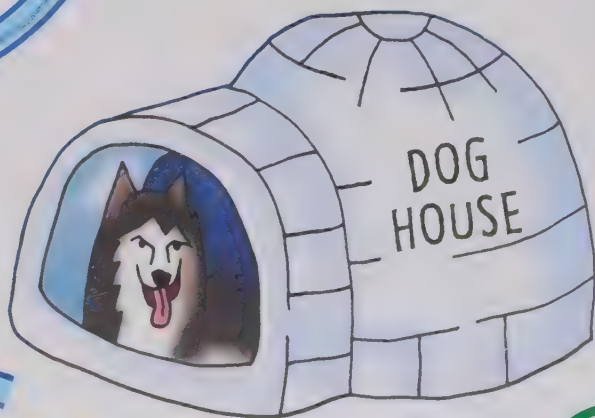
Whoa! Stop!

Mushing

Dog sledding



WHICH TEAM
REACHES THE NORTH
POLE AND WINS THE CUP?



Into the woods

Lots of animals have woodland homes. Up in the branches, birds and squirrels search for food while deer and small animals wander in the shade below.

WHAT TO DO

Read about the animals that live in a wood.
Use your stickers to put them in the places
you're most likely to find them.



Deer

These like to hide
among the trees while
cropping the grass and
small shrubs.



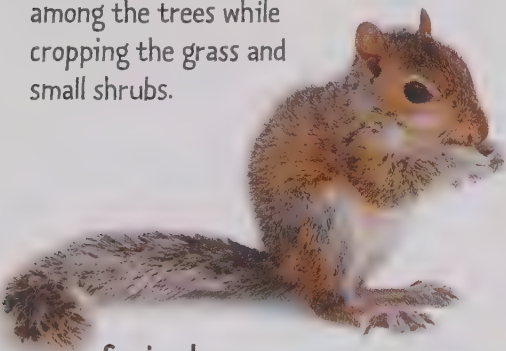
Birds

Birds can be seen
perching on branches
or looking for insects
on the trunks.



Rabbits

These live at the edge
of a wood so they can easily
reach grassy fields.



Squirrels

Squirrels can be seen
scampering through
the wood in search of
nuts and seeds.



Foxes

Foxes prowl through the undergrowth and
build their dens among the tree roots.





Creepy crawlies are everywhere

Creepy crawlies live in a variety of places, from dark underground burrows to fresh water. They creep, climb, wriggle, and slither their way around.

FILL

the scene with
creepy crawly stickers
and add mites to the
magnifying glass.



These Red
Velvet mites are
hard to see.

DRAW another place for creepy
crawlies to live and colour it in.
Then add stickers to your scene.



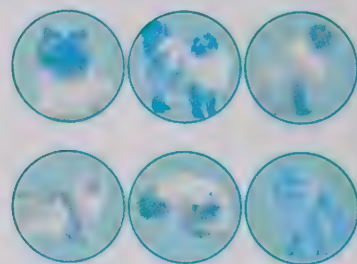


Cute kitties

There is nothing cuter than a soft, fluffy kitten. Long-haired, short-haired, or even hairless, what sort of cat would you choose to play with?

WHAT TO COUNT

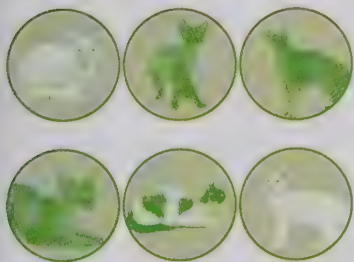
Find the right six cats for each breed in the cat jumble and put the stickers in the right place. Give yourself a star when you complete each group.



Persian

Persians have long coats that need lots of brushing. They have a round face and a flattened nose.





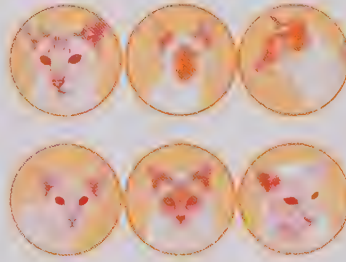
Devon Rex

With their large ears and eyes, these curly-coated cats are sometimes known as pixie cats.



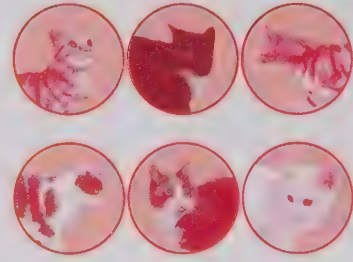
Russian Blue

A thick, bluish grey coat and green eyes make this short-haired cat easy to spot.



Siamese

These long, slim cats from Thailand often have much darker noses, ears, and tails.



Manx

Manx cats come in all colours and patterns of coat but have one unique feature – a very short tail.





Mount Everest is 8,848 m
(29,035 ft) tall, and it is **still**
growing! Every year it gets a
few millimeters higher due
to movements of the
Earth's crust.



On top of the world!

Intrepid **climbers** from all over the world travel to **Nepal** for the ultimate challenge – conquering **Mount Everest**, the **world's tallest mountain**. It's a dangerous climb, so dangerous that the area above 8,000 m (26,000 ft) is known as the "**death zone**." Climbers have to battle with **high winds**, **sub-zero temperatures**, and **low oxygen levels**. But it's all worth it for the magic moment when they reach the **summit** and stand on the very top of the world!

DRAW MORE FEARLESS CLIMBERS.



Many climbers who get into difficulties on Everest are **rescued by helicopter**. In 2005, one helicopter set a record for the highest ever landing by touching down on the summit!

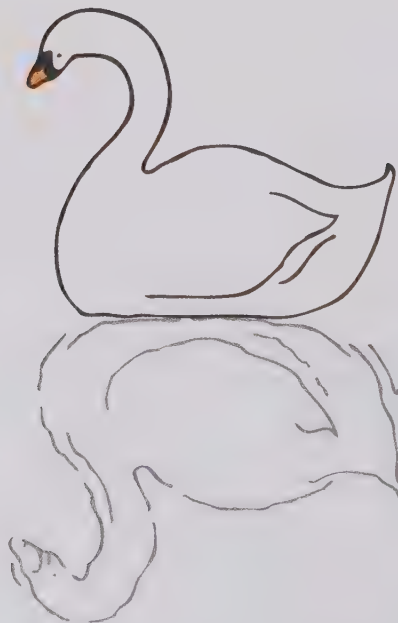


Who are you looking at?

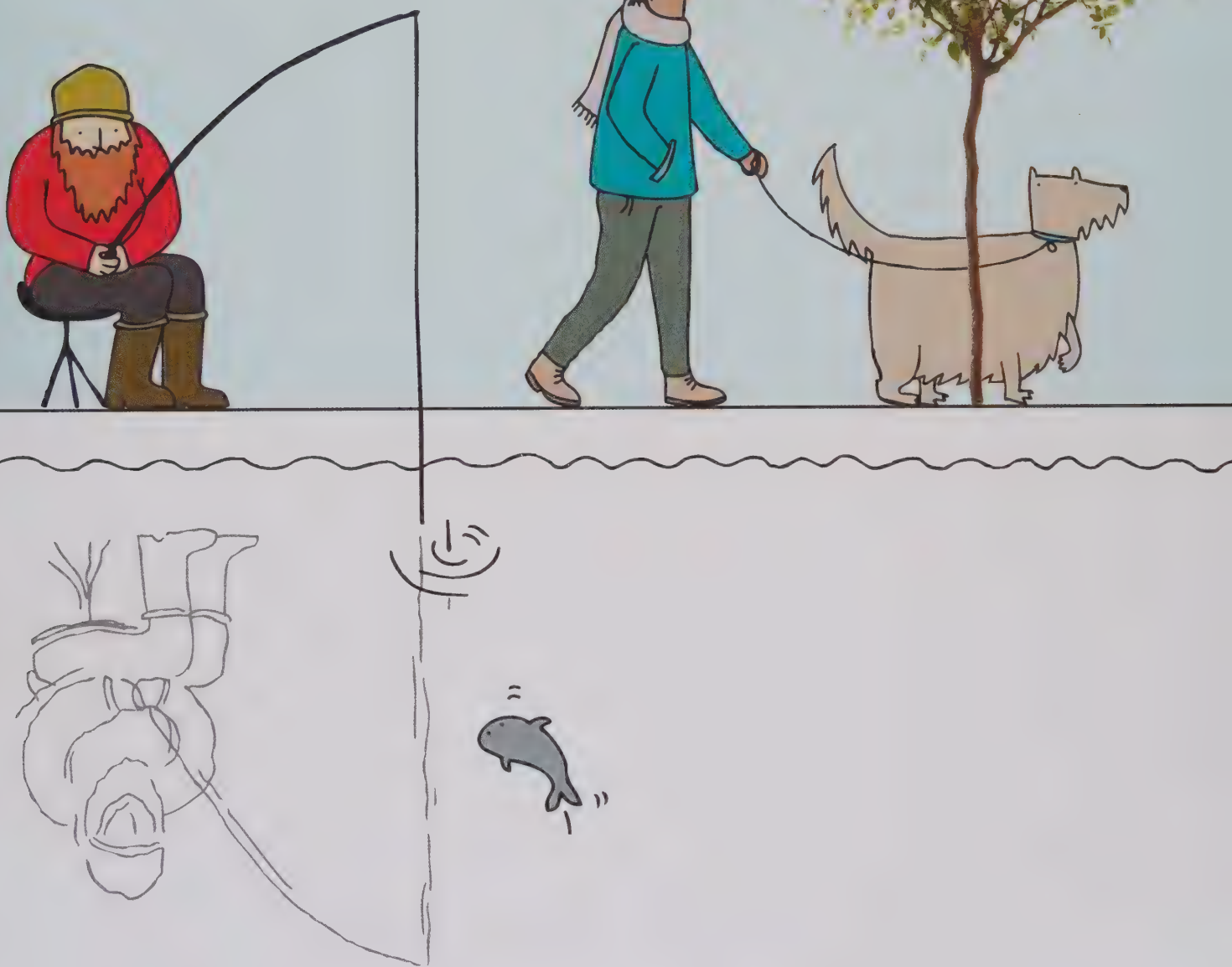
You are able to check your **reflection** in the mirror because light bounces off the glass and into your eyes, which send signals to your brain. If a surface is rough the light **scatters** in different directions, but if the surface is **smooth** and **flat**, the light bounces off at the **same angle** as it enters, creating a reflection.



Light is the fastest thing in the universe. It travels at about 1 billion kph (670 million mph). It's so fast, it could travel around the world **seven times** in one second!



The **primary colours** of light are red, blue, and green. **Combinations** of these colours make all the other colours, including white.



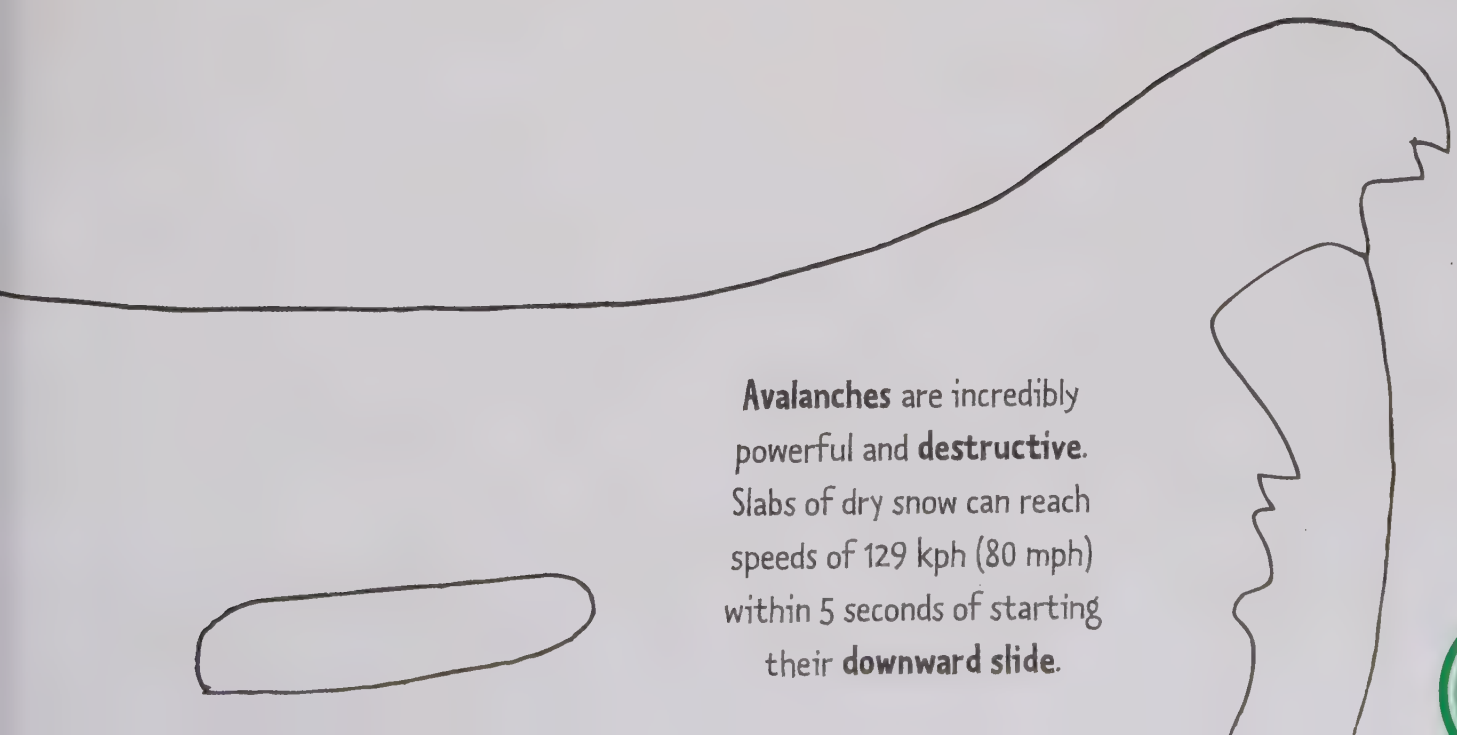
DRAW THE REFLECTION OF EVERYTHING ON THE RIVERBANK.

DRAW MORE SKIERS AND
SNOWBOARDERS – WHO WILL
BE THE FIRST TO MAKE A JUMP?



Nerves of steel!

Extreme skiing and snowboarding take a lot of **nerve and skill**. An **extreme skier** can reach speeds between 200 and 250 kph (125 and 155 mph), and **extreme snowboarders** have been known to go as fast as 200 kph (125 mph)! Travelling this fast, they have to have their wits about them so they can **dodge obstacles** such as rocks, trees, and crevasses (tricky), **avoid avalanches** (almost impossible!), and be able to successfully complete **amazing jumps** successfully!



Avalanches are incredibly powerful and **destructive**. Slabs of dry snow can reach speeds of 129 kph (80 mph) within 5 seconds of starting their **downward slide**.

Bug bonanza

Creepers, crawlers, fliers, stingers – millions of bugs live on Earth. There are five different groups to count. Read about each one before you begin.

WHAT TO COUNT

Can you find all six beetles in the mix below? Put a coloured sticker over the outline for each one. Now look for the caterpillars, wasps, flies, and spiders. Add a star when you complete a group.



Count 6 beetles

Ladybirds and other beetles have a hard outer case. They are all insects as they have six legs.



Count 6 caterpillars

A caterpillar turns into a butterfly. It has six real legs, though it looks like it has more.

Count 6 wasps

These insects have striped bodies and two pairs of wings. Watch out for their sharp stingers.

Count 6 flies

Flies have only one pair of wings. They have sticky feet so they can walk upside down.

Count 6 spiders

A spider has eight legs. All of its legs are attached to the upper part of its body, called the thorax.



See
p.32

What makes a
bug an insect?



If you go down to the woods today...

Most people have heard of rainforests, but what about **temperate deciduous forests**? Here, the trees grow in cool, rainy areas and the forest consist of trees that lose their leaves in the autumn, but regrow them in the spring. Many well-known animals live in these forests, including squirrels, bears, deer, and owls.

DRAW YOUR OWN FOREST SCENE.



The **American black bear** is a large bear that can grow up to 1.8 m (6 ft) long. They use their **sharp claws** to help it climb trees and reach yummy fruit.

In the cold winter months, certain animals, such as squirrels, **hibernate**. This means they go into a very deep sleep and wake up when it's warmer.



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Discover more at www.dk.com



Quiz Answers

Did you know the answers to the questions in the book?
Check here and give yourself a star for each one you got right.

Page 6: True.

Page 10: The average
Emperor penguin's egg
weighs 450g (16oz).

Page 14: True.

Page 15: The red
team wins the cup.

Page 29: An insect always has
six legs and a body made up of
three parts – a head, an upper
body called a thorax, and a
larger rear part called the
abdomen. Many insects
also have one or two
pairs of wings.

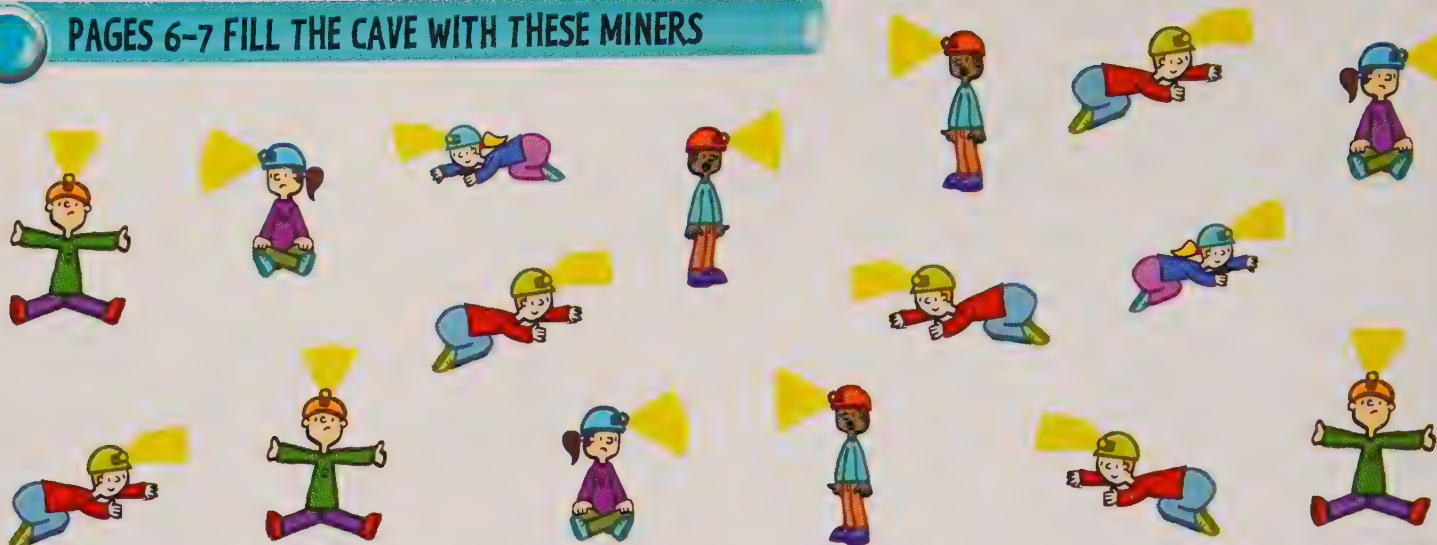
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PAGES 6-7 FILL THE CAVE WITH THESE MINERS



PAGES 10-11 BUILD THE PENGUINS



See the next sticker sheet for more jigsaw pieces ...



Use these **extra ones** anywhere you like!



PAGES 18-19 CREEPY CRAWLIES

Red velvet mites





PAGES 20-21 CUTE KITTIES

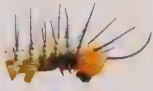


PAGES 28-29 BUG BONANZA

Common Wasp



Postman Caterpillar



Bluebottle



Black Widow Spider



Giraffe-necked Weevil



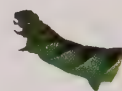
Mammoth Wasp



Brazilian Black Tarantula



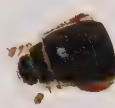
Privet Hawk Moth Caterpillar



House Fly



Great Diving Beetle



European Garden Spider



Swallowtail Caterpillar



Hornet



European Wolf Spider



Seven-spot Ladybird



Banded Brown Horse Fly



Longhorn Beetle



Giant Crane Fly



Peacock Caterpillar



Tsetse Fly



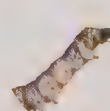
Jewel Wasp



Orange Baboon Spider



Silkworm



Mosquito



Tarantula Hawk Wasp



Common Green Shield Bug



Io Moth Caterpillar



Paper Wasp



Cave Spider



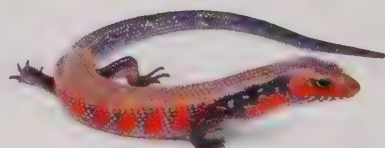
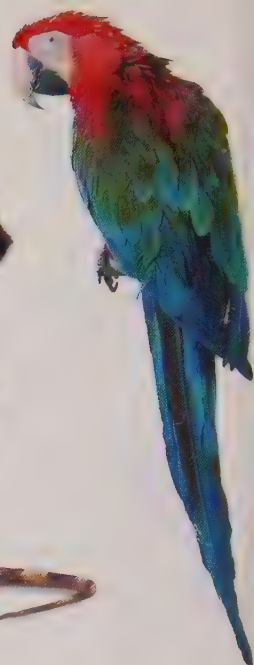
Atlas Beetle

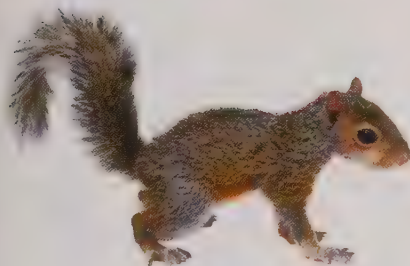


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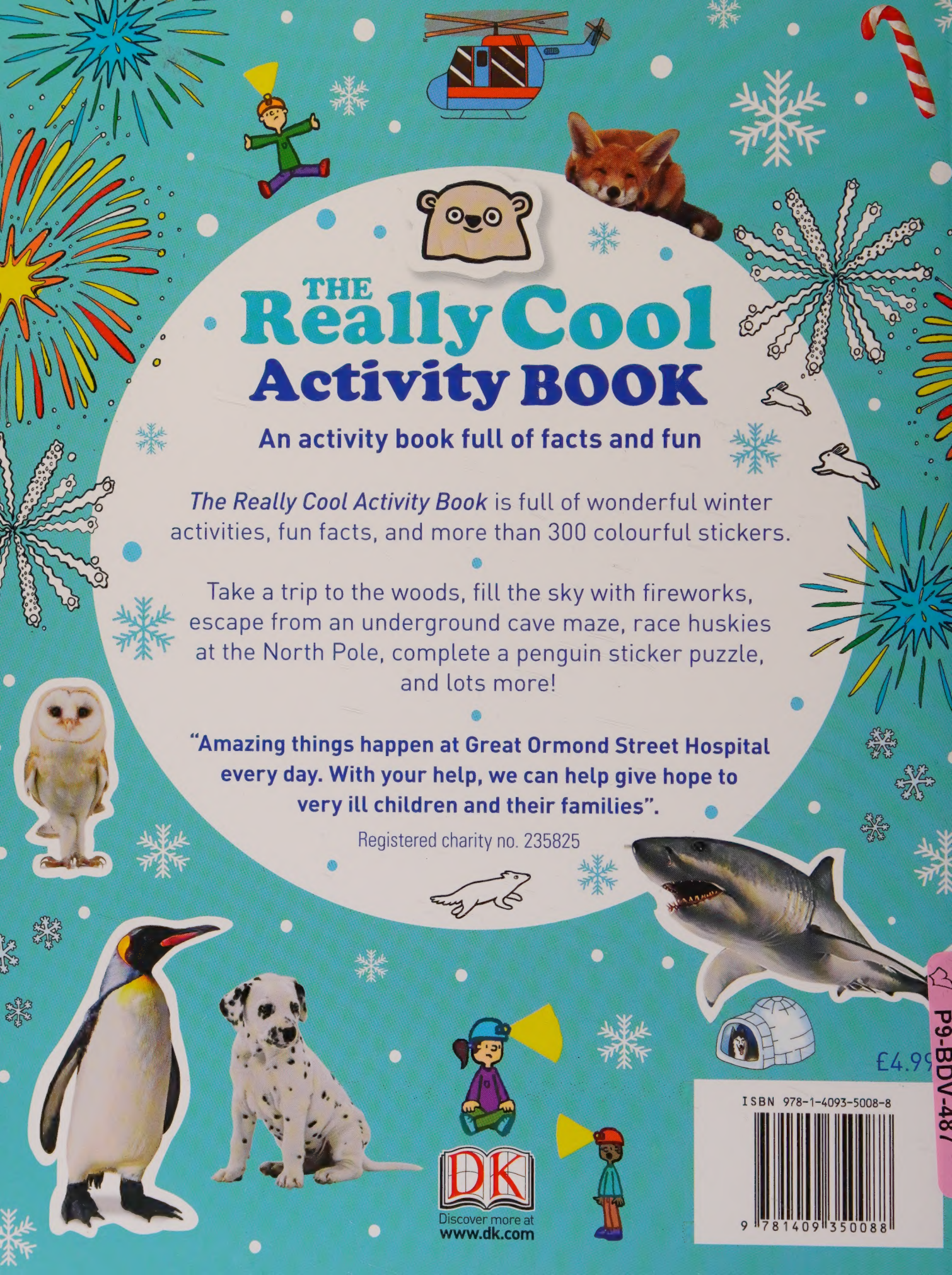
Use these **extra ones** anywhere you like!





Use these **extra ones** anywhere you like!





THE Really Cool Activity BOOK

An activity book full of facts and fun

The Really Cool Activity Book is full of wonderful winter activities, fun facts, and more than 300 colourful stickers.

Take a trip to the woods, fill the sky with fireworks, escape from an underground cave maze, race huskies at the North Pole, complete a penguin sticker puzzle, and lots more!

"Amazing things happen at Great Ormond Street Hospital every day. With your help, we can help give hope to very ill children and their families".

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